

PATENTS  
174/079Re

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

## REISSUE APPLICATION

Application for

Reissue of Patent No.: 5,970,255

Issued : October 19, 1999

Patentee/

Reissue Applicants : Nghia Tran, Ying Xuan Li, Janusz  
Balicki, and John CostelloFor : SYSTEM FOR COUPLING PROGRAMMABLE  
LOGIC DEVICE TO EXTERNAL CIRCUITRY  
WHICH SELECTS A LOGIC STANDARD AND  
USES BUFFERS TO MODIFY OUTPUT AND  
INPUT SIGNALS ACCORDINGLY

Assignee : Altera Corporation

New York, New York 10020

Box REISSUE

Hon. Commissioner

for Patents

Washington, D.C. 20231

REISSUE DECLARATION AND POWER OF ATTORNEY

Sir:

As a below named inventor and applicant for reissue  
of U.S. Patent 5,970,255, I hereby declare that:

1. My residence, post office address, and  
citizenship are as stated below next to my name.

2. I have reviewed and understand the contents of  
the attached reissue specification, including the claims, and  
verily believe that I am an original, first and joint  
inventor of the subject matter which is claimed and for which

a reissue patent is sought on the invention entitled "System For Coupling Programmable Logic Device To External Circuitry Which Selects A Logic Standard And Uses Buffers To Modify Output And Input Signals Accordingly."

3. I do not know and do not believe that said invention was ever known or used in the United States before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to the October 16, 1995 filing date of my United States Patent Application No. 08/543,649 which matured into Letters Patent No. 5,970,255 ("the '255 patent"), or in public use or on sale in the United States more than one year prior to said application filing date, and that the subject matter of Application No. 08/543,649, filed October 16, 1995, was not patented or made the subject of an inventor's certificate prior to said application filing date in any country foreign to the United States on any application filed by me or my legal representatives or assigns more than twelve months before said application filing date;

4. I make this declaration under 37 C.F.R. § 1.175 in support of this application for reissue;

5. I verily believe that the '255 patent is partly inoperative through error without any deceptive intent by reason of my having claimed less than I had the right to claim;

6. Error in the claims renders the '255 patent partly inoperative at least because patentee specified some claims to include the phrase "programmable logic elements" rather than "programmable elements." This language may cause the claims to be construed narrowly and limited to particular specific implementation. Thus, patentee claimed less than it had a right to claim. Accordingly, in this reissue application, new claims 35-76 are directed more broadly to the invention;

7. All errors being corrected in this reissue application arose without any deceptive intention on my part; and

9. I hereby acknowledge my duty to disclose to the Patent and Trademark Office information of which I am aware that is material to patentability of the claims of this reissue application in accordance with 37 C.F.R. § 1.56.

10. I hereby appoint Derek E. Minihane, Esq., Reg. No. 39,774, James M. Wu, Esq., Reg. No. 45,241, Robert R. Jackson, Esq., Reg. No. 26,183, Jeffrey H. Ingerman, Esq., Reg. No. 31,069, and Michael E. Shanahan, Esq., Reg. No. 43,914, as my attorneys of record in connection with the captioned patent and this application for reissue, with full power of substitution and revocation, to prosecute this application for reissue and to transact all business in the Patent and Trademark Office in connection therewith. All correspondence and telephone calls should be directed to:

Michael E. Shanahan  
FISH & NEAVE  
1251 Avenue of the Americas  
New York, New York 10020-1104  
Tel.: (212) 596-9025

11. I hereby declare that I understand the English language, and that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this reissue application or any reissue patent issued thereon.

Full name of first inventor Nghia Tran

First Inventor's signature Neil Nghia Tran 10/17/01

Date

Residence 2115 Fieldcrest Drive, Milpitas, California 95035

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Full name of second inventor Ying Xuan Li

Second Inventor's signature \_\_\_\_\_

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Full name of third inventor Janusz Balicki

Third Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

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Full name of fourth inventor John Costello

Fourth Inventor's signature *J Costello* 10/18/01  
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Full name of first inventor Nghia Tran

First Inventor's signature \_\_\_\_\_

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Post Office Address 2115 Fieldcrest Drive, Milpitas,  
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Full name of second inventor Ying Xuan Li

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*Janusz Balicki* 10/17/01  
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\_\_\_\_\_ Date

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

## REISSUE APPLICATION

Patent No. : 5,970,255

Issued : October 19, 1999

Patentee/  
Reissue Applicants : Tran et al.

For : SYSTEM FOR COUPLING PROGRAMMABLE  
LOGIC DEVICE TO EXTERNAL CIRCUITRY  
WHICH SELECTS A LOGIC STANDARD AND  
USES BUFFERS TO MODIFY OUTPUT AND  
INPUT SIGNALS ACCORDINGLY

Assignee : Altera Corporation

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CERTIFICATE UNDER 37 C.F.R. § 3.73(b),  
POWER OF ATTORNEY, AND CONSENT OF ASSIGNEE UNDER  
37 C.F.R. § 1.172(a) TO REISSUE APPLICATION

Sir:

Altera Corporation, a corporation organized and existing under the laws of the State of Delaware (hereinafter "Altera") hereby certifies pursuant to 37 C.F.R. § 3.73(b) that Altera is the assignee of the entire right, title and interest in and to the above-identified United States Letters Patent No. 5,970,255 ("the '255 patent"), by virtue of an assignment from the inventors of Patent Application No. 08/543,649, filed October 16, 1995, which subsequently issued as the '255 patent, to Altera.



The assignment from the inventors to Altera was recorded in the Patent and Trademark Office at Reel 7731, Frames 0986-0988.

Altera, as the sole assignee, hereby consents to the accompanying application for reissue of said United States Letters Patent No. 5,970,255.

Altera, as the sole assignee, hereby appoints Derek E. Minihane, Esq., Reg. No. 39,774, James M. Wu, Esq., Reg. No. 45, 241, Robert R. Jackson, Esq., Reg. No. 26,183, Jeffrey H. Ingerman, Esq., Reg. No. 31,069, and Michael E. Shanahan, Esq., Reg. No. 43,914, as its principal attorneys of record in the '255 patent, with full power of substitution and revocation including the power to appoint associate attorneys and to revoke their powers, and to transact all business in the Patent and Trademark Office pertaining to the '255 patent.

The Patent and Trademark Office is respectfully requested to direct all correspondence and telephone calls to:

Michael E. Shanahan  
Fish & Neave  
Customer No. 1473  
1251 Avenue of the Americas  
New York, NY 10020  
Tel.: (212) 596-9025

The undersigned hereby states and certifies that:

1. The undersigned's title is as supplied below and the undersigned is authorized to act on behalf of the assignee in connection with the above-identified patent and reissue application; and

2. The relevant evidentiary documents have been reviewed and, to the best of the undersigned's and the

assignee's knowledge and belief, title to the above-identified Patent No. 5,970,255 is in Altera.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the '255 patent and the reissue application or any patent issuing thereon.

ALTERA CORPORATION  
ASSIGNEE

10/19/01  
Date

By:

C. Wendell Bergere  
C. Wendell Bergere  
Vice President, General  
Counsel and Secretary  
OR  
Paul Newhagen  
Vice President,  
Administration